Afr. J. Ecol. 1984, Volume 22, pages 299–300

African Journal of Ecology

AUTHOR INDEX

Volume 22

AKINBOADE, O. A. & OGUNJI, S. O. Haemoparasites of wild guineafowl (*Numida maleagris galeata*) and domestic fowl (*Gallus domesticus*) in the Kainji Game Park, Kwara State, Nigeria 65
ATKINSON, S., *see* Foley, R. A.
AVELING, G. Notes on the golden monkey, *Cercopithecus mitis kandti*, of the Virunga volcanoes, Rwanda 63
AYENI, J. S. O. The biology and utilization of helmeted guineafowl (*Numida meleagris galeata* Pallas). I. The habitat and distribution of guineafowl in the Kainji Lake Basin area, Nigeria 1

BARANGA, J., SCHLIEMANN, H., KAYANJA, F. I. B. & MUWAZI, R. T. The epididymis of the fruit bat, *Epomophorus anurus* 55
BARANGA, J., *see* Kayanja, F. I. B.
BELL, R. H. V. & JACHMANN, H. Influence of fire on the use of *Brachystegia* woodland by elephants 157
BELL, R. H. V., *see* Jachmann, H.
BELSKY, A. J. Role of small browsing mammals in preventing woodland regeneration in the Serengeti National Park, Tanzania 271
BOSHE, J. I. Demographic characteristics of the warthog population of the eastern Selous Game Reserve, Tanzania 43
BOSHE, J. I. Effects of reduced shrub density and cover on territory size and structure of Kirk's dikdik in Arusha National Park, Tanzania 107
BUTYNSKI, T. M. Nocturnal ecology of the springhare, *Pedetes capensis*, in Botswana . . 7

COX, G. W., *see* Gakahu, C. G.

DESHMUKH, I. K. A common relationship between precipitation and grassland peak biomass for east and southern Africa 181
DILWORTH, T. G., *see* Ogen-Odoi, A. A.

EAST, R. Rainfall, soil nutrient status and biomass of large African savanna mammals . . 245
EDROMA, E. L. Effects of burning and grazing on the productivity and number of plants in Queen Elizabeth National Park, Uganda 165

FOLEY, R. A. & ATKINSON, S. A dental abnormality among a population of Defassa waterbuck (*Kobus defassa* Ruppell 1835) 289

GAKAHU, C. G. & COX, G. W. The occurrence and origin of Mima mound terrain in Kenya . 31
GRETTENBERGER, J. F., *see* McShane, T. O.
GRIMSDELL, J. J. R., *see* Howard, G. W.

HARCOURT, A. H. & STEWART, K. J. Gorillas' time feeding: aspects of methodology, body size, competition and diet 207
HATTON, J. C. & SMART, N. O. E. The effect of long-term exclusion of large herbivores on soil nutrient status in Murchison Falls National Park, Uganda 23
HOWARD, G. W., JEFFERY, R. C. V. & GRIMSDELL, J. J. R. Census and population trends of black lechwe in Zambia 175

HOWELL, K. M. & JENKINS, P. D. Records of shrews (Insectivora, Soricidae) from Tanzania . 67
HUDSON, R. J. *see* Karstad, E. L.

JACHMANN, H. & BELL, R. H. V. The use of elephant droppings in assessing numbers, occupance and age structure: a refinement of the method 127
JACHMANN,H., *see* Bell, R. H. V.
JEFFERY, R. C. V., *see* Howard, G. W.
JENKINS, P. D. *see* Howell, K. M.

KARSTAD, E. L. & HUDSON, R. J. Census of the Mara River hippopotamus (*Hippopotamus amphibius*), southwest Kenya, 1980–1982 143
KAYANJA, F. I. B., BARANGA, J. & SCHLIEMANN, H. Leydig cells of the fruit bat testis . . 223
KAYANJA, F. I. B., *see* Baranga, J.

LARK, R. M. A comparison between techniques for estimating the ages of African elephants (*Loxodonta africana*) 69
LINDSAY, W. K., *see* Western, D.

MCSHANE, T. O. & GRETTENBERGER, J. F. Food of the golden jackal (*Canis aureus*) in central Niger 49
MUWAZI, R. T., *see* Baranga, R. T.

NEAL, B. R. Relationship between feeding habits, climate and reproduction of small mammals in Meru National Park, Kenya 195

OGEN-ODOI, A. A. & DILWORTH, T. C. Effects of grassland burning on the savanna hare-predator relationships in Uganda 101
OGUNJI, S. O., *see* Akinboade, O. A.

PEIRCE, M. A. Haematozoa of African birds: some miscellaneous findings 149
PELLEW, R. A. & SOUTHGATE, B. J. The parasitism of *Acacia tortilis* seeds in the Serengeti . 73

RODGERS, W. A. Status of puku (*Kobus vardoni* Livingstone) in Tanzania 117
RODGERS, W. A., STRUHSAKER, T. T. & WEST, C. C. Observations on the red colobus (*Colobus badius tephrosceles*) of Mbisi Forest, south-west Tanzania 187

SCHLIEMANN, H., *see* Baranga, J., *see also* Kayanja, F. I. B.
SENZOTA, R. B. M. Primary consumption: a comment on assessment 295
SIMBOTWE, M. P. Resource partitioning in a woodland reptile community of the Kafue flats, Zambia 281
SMART, N. O. E., *see* Hatton, J. C.
SOUTHGATE, B. J., *see* Pellew, R. A.
SPINAGE, C. A. Seasonal influences and the kidney fat index in two equatorial African ungulates 217
STEWART, K. J., *see* Harcourt, A. H.
STRUHSAKER, T. T., *see* RODGERS, W. A.

VAN ORSDOL, K. G. Foraging behaviour and hunting success of lions in Queen Elizabeth National Park, Uganda 79

WEST, C. C., *see* Rodgers, W. A.
WESTERN, D. & LINDSAY, W. K. Seasonal herd dynamics of a savanna elephant population . 229

African Journal of Ecology

Volume 22, 1984

edited by F. I. B. Kayanja

Published for the East African Wild Life Society
by Blackwell Scientific Publications
Oxford London Edinburgh Boston Palo Alto Melbourne

Published for the East African Wildlife Society
by Blackwell Scientific Publications
Osney Mead, Oxford OX2 0EL
8 John Street, London WC1N 2ES
23 Ainslie Place, Edinburgh EH3 6AJ
52 Beacon Street, Boston, Massachusetts 02108, USA
706 Cowper Street, Palo Alto, California 94301, USA
107 Barry Street, Carlton, Victoria 3053, Australia

© 1984 Blackwell Scientific Publications

© 1984 Blackwell Scientific Publications Ltd. Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by Blackwell Scientific Publications Ltd for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of $02.00 per copy is paid directly to CCC, 21 Congress Street, Salem, MA 01970, U.S.A. Special requests should be addressed to the Editor 0141-6707/84 $02.00.

Printed and bound in Great Britain by Henry Ling Ltd, (Dorset Press), High East Street, Dorchester

Contents

VOL. 22, NO. 1 MARCH 1984

1 *J. S. O. Ayeni:* The biology and utilization of helmeted guineafowl (*Numida meleagris galeata* Pallas). I. The habitat and distribution of guineafowl in the Kainji Lake Basin area, Nigeria

7 *T. M. Butynski:* Nocturnal ecology of the springhare, *Pedetes capensis,* in Botswana

23 *J. C. Hatton and N. O. E. Smart:* The effect of long-term exclusion of large herbivores on soil nutrient status in Murchison Falls National Park, Uganda

31 *C. G. Gakahu and G. W. Cox:* The occurrence and origin of Mima mound terrain in Kenya

43 *J. I. Boshe:* Demographic characteristics of the warthog population of the eastern Selous Game Reserve, Tanzania

49 *T. O. McShane and J. F. Grettenberger:* Food of the golden jackal (*Canis aureus*) in central Niger

Notes and Records

55 *J. Baranga, H. Schliemann, F. I. B. Kayanja and R. T. Muwazi:* The epididymis of the fruit bat, *Epomophorus anurus*

63 *C. Aveling:* Notes on the golden monkey, *Cercopithecus mitis kandti,* of the Virunga volcanos, Rwanda

65 *O. A. Akinboade and S. O. Ogunji:* Haemoparasites of wild guineafowl (*Numida maleagris galeata*) and domestic fowl (*Gallus domesticus*) in the Kainji Game Park, Kwara State, Nigeria

67 *K. M. Howell and P. D. Jenkins:* Records of shrews (Insectivora, Soricidae) from Tanzania

69 *R. M. Lark:* A comparison between techniques for estimating the ages of African elephants (*Loxodonta africana*)

73 *R. A. Pellew and B. J. Southgate:* The parasitism of *Acacia tortilis* seeds in the Serengeti

77 **Book Reviews**

78 **Workshop Proceedings**

VOL. 22, NO. 2 JUNE 1984

79 *K. G. Van Orsdol:* Foraging behaviour and hunting success of lions in Queen Elizabeth National Park, Uganda

101 *A. A. Ogen-Odoi and T. G. Dilworth:* Effects of grassland burning on the savanna hare–predator relationships in Uganda

107 *J. I. Boshe:* Effects of reduced shrub density and cover on territory size and structure of Kirk's dikdik in Arusha National Park, Tanzania

117 *W. A. Rodgers:* Status of puku (*Kobus vardoni* Livingstone) in Tanzania

127 *H. Jachmann and R. H. V. Bell:* The use of elephant droppings in assessing numbers, occupance and age structure: a refinement of the method

Notes and Records

143 *E. L. Karstad and R. J. Hudson:* Census of the Mara River hippopotamus (*Hippopotamus amphibius*), southwest Kenya, 1980–1982

149 *M. A. Peirce:* Haematozoa of African birds: some miscellaneous findings

153 **Book Review**

VOL. 22, NO. 3 SEPTEMBER 1984

157 *R. H. V. Bell and H. Jachmann:* Influence of fire on the use of *Brachystegia* woodland by elephants.

165 *E. L. Edroma:* Effects of burning and grazing on the productivity and number of plants in Queen Elizabeth National Park, Uganda

175 *G. W. Howard, R. C. V. Jeffery and J. J. R. Grimsdell:* Census and population trends of black lechwe in Zambia

181 *I. K. Deshmukh:* A common relationship between precipitation and grassland peak biomass for East and southern Africa

187 *W. A. Rodgers, T. T. Struhsaker and C. C. West:* Observations on the red colobus (*Colobus badius tephrosceles*) of Mbisi Forest, south-west Tanzania

195 *B. R. Neal:* Relationship between feeding habits, climate and reproduction of small mammals in Meru National Park, Kenya

207 *A. H. Harcourt and K. J. Stewart:* Gorillas' time feeding: aspects of methodology, body size, competition and diet

217 *C. A. Spinage:* Seasonal influences and the kidney fat index in two equatorial African ungulates

Notes and Records

223 *F. I. B. Kayanja, J. Baranga and H. Schliemann:* Leydig cells of the fruit bat testis

VOL. 22, NO. 4 DECEMBER 1984

229 *D. Western and W. K. Lindsay:* Seasonal herd dynamics of a savanna elephant population

245 *R. East:* Rainfall, soil nutrient status and biomass of large African savanna mammals

271 *A. Joy Belsky:* Role of small browsing mammals in preventing woodland regeneration in the Serengeti National Park, Tanzania

281 *M. P. Simbotwe:* Resource partitioning in a woodland reptile community of the Kafue flats, Zambia

289 *R. A. Foley and Sarah Atkinson:* A dental abnormality among a population of Defassa waterbuck (*Kobus defassa* Ruppell 1835)

Notes and Records

295 *R. B. M. Senzota:* Primary consumption: a comment on assessment

297 **Book Review**

299 **Author Index to Volume 22**